



NIH AIDS Reagent Program

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DATA SHEET

2 6/1/89

Reagent: vPE6

Catalog Number: 354

Lot Number:

Provided: 1 vial cell-free virus at 5×10^9 infectious virions/ml.

Host or Recommended Host or Host Cells: HeLa and other vertebrate cells.

Cloning Vector: Vaccinia virus, strain WR.

Description: Plasmid pPE6 was used to construct the recombinant vaccinia virus vPE6. pPE6 was constructed by inserting the HIV-1 BH8 *env* gp120 gene into pTF7-5. A termination codon was added at the end of the gp120 gene by *in vitro* mutagenesis. Expression is under control of the bacteriophage T7 promoter. This virus must be used in conjunction with another recombinant virus, vTF7-3 (catalog #356), which expresses T7 RNA polymerase.

Special Characteristics: Expresses high levels of gp120 in cells co-infected with a second vaccinia virus expressing bacteriophage T7 RNA polymerase (vTF7-3, catalog #356). gp120 is glycosylated, secreted into the medium, and binds to CD4.
Sterility: Negative for bacteria, fungi, and mycoplasma.
Cloning Site: Vaccinia virus thymidine kinase gene.

Recommended Storage: -70degreeC.

Contributor: Dr. Patricia Earl and Dr. Bernard Moss.

ALL RECIPIENTS OF THIS MATERIAL MUST COMPLY WITH ALL APPLICABLE BIOLOGICAL, CHEMICAL, AND/OR RADIOCHEMICAL SAFETY STANDARDS INCLUDING SPECIAL PRACTICES, EQUIPMENT, FACILITIES, AND REGULATIONS. NOT FOR USE IN HUMANS.

References: Berger EA, Fuerst TR, Moss B. A soluble recombinant polypeptide comprising the amino-terminal half of the extracellular region of the CD4 molecule contains an active binding site for human immunodeficiency virus. *Proc Natl Acad Sci USA* **85**:2357-2361, 1988.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: vPE6 from Dr. Patricia Earl and Dr. Bernard Moss." Also include the reference cited above in any publications.

The US Government has submitted a patent application on this reagent.

Scientists at for-profit institutions or who intend commercial use of this reagent must contact Dr. Sally Hu at the NIH Office of Technology Transfer, Email: hus@mail.nih.gov, Phone: 301-435-5606, before the reagent can be released. Please specify the name and a description of the intended use of the reagent.

Last Updated: June 24, 2013

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